

購 買 (英 文) 規 格 書

COMMODITY DESCRIPTION

關 稅 分 類 番 號 H.S. NO.	品目番號 ITEM NO.	品 目 및 規 格 DESCRIPTION	單 位 UNIT	數 量 QUANTITY
		이동형 초음파영상진단기	set	1

A. Features:

1. This ultrasound imaging system designed for abdominal, vascular, obstetrics, gynecology, neonatal, pediatric, urology, transcranial and small parts applications.
2. The system shall support the following DICOM 3.0 service classes.

B. Specifications:

1. System Architecture
 - 15.6inch multi-touch high-resolution color LCD
 - Operating System: Microsoft® Windows® 10
 - 3 Active Probe Ports
 - Standard Lithium Ion Battery: Up to 2 hours scan time
 - Integrated Speaker
 - LED color bar for system identification and low battery warning
2. Imaging Mode
 - B-mode
 - M-mode
 - Color Doppler Mode
 - Power Doppler Imaging
 - PW Doppler
 - Anatomical M-mode
 - Coded Harmonic Imaging
 - Tissue Doppler Imaging (TDI)
3. CrossXBeam Imaging or SonoCT
 - Combines or more frames from different angles into a single frame.

- This is intended to improve contrast resolution.
 - Compatible with Color Mode.
4. SRI-HD (High Detection Speckle Reduction Imaging) or XRES
 - Speckle reduction imaging provides multiple levels of speckle reduction.
 - Compatible with B-mode, Color Mode.
 5. True Access, Raw Data Analysis
 - Complete image flexibility allows stored image optimization and measurements such as B-mode, Doppler Mode and Anatomical M-mode or provides for voice control of scanner.
 6. Coded Harmonic Imaging (CHI) or Tissue Harmonic Imaging (THI)
 - ATO is an optimization tool specific to the image displayed.
 7. Anatomical M-mode
 - M-mode cursor can be adjusted at any plane.
 - Curved Anatomical M-mode: Free (curved) drawing of M-mode generated from the cursor independent from the axial plane.
 8. Continuous Tissue Optimization (CTO) or iSCAN
 - Single keystroke optimizes immediately and automatically different gray scale settings adjusted for the real time image.
 9. Automatic Spectrum Optimization (ASO) or iSCAN
 - Optimize B-mode image to improve contrast resolution.
 - Auto-spectral optimize: Adjustments baseline, PRF (on live image) and angle correction.
 10. Measurements & Calculations Package
 - Real-time Doppler Auto Measurements & Calculations
 - Vascular Measurements & Calculations
 11. Tissue Velocity Doppler (TVD) or Tissue Doppler Imaging (TDI)
 - Myocardial doppler imaging with color overlay on tissue image.
 - Tissue doppler data can be acquired in background during regular 2D imaging.
 - The velocity of myocardial segments after entire heart cycle can be displayed in one single image.

12. PDI+ or Tissue Doppler Imaging (TDI)

- Color gradient used to represent blood flow using amplitude versus velocity shift (Color Doppler). Prioritizes amplitude over direction.
- PDI+ provides higher resolution than regular PDI mode and is intended for slow blood flows, like those found in wrists, ankles, hands, and feet.

13. DICOM 3.0 Connectivity

- DICOM Store
- Worklist Query
- Multi-frame DICOM
- Network store to a shared folder

14. Wi-Fi Activation

- The system includes built-in Wi-Fi LAN support.
- The Wi-Fi device is an option which can be enabled by insertion of a unique option-key.

15. Real-time EF or A2DQ

- Real-time EF is an AI-enabled tool that continuously calculates ejection fraction during live scanning in an apical 4 chamber view and allows users to capture instant, precise results.
- The tool can calculate heart-rate from tissue motion and does not require the input of an ECG signal.

16. Venue View or Panoramic View

- Extended field of view imaging. Available in B-mode.
- Available on all linear array probes.

17. Follow-up Tool

- For monitoring a patient condition over time.
- Automatically recalls the imaging parameters, comments and body patterns to be identical to previous exam.

18. Simple Screen

- A single tap enables simple mode, enlarging the image area and reducing the number of visible controls.

19. Needle Recognition
 - Provide accurate display of the needle, anatomy and motion even in color and power doppler.
20. Virtual Convex or Wide SCAN
 - Provides a trapezoidal field of view on all linear array probes, for wider FOV in the far field.
21. Virtual Apex or Wide SCAN
 - Provide wider FOV in the near field.
 - Supported on some presets on sector probes.
22. Cart
23. ECG Module with ECG Cable
24. B/W Printer
25. L4-20t-RS Linear Probe or L12-3 Linear Probe
 - Frequency: 3.0 - 20.0MHz or 3.0 - 12.0MHz
26. L8-18i-RS Linear Probe or L15-7io Linear Probe
 - Frequency: 5.0 - 18.0MHz or 7.0 - 15.0MHz
27. 3Sc-RS Sector Probe or S5-1 Sector Probe
 - Frequency: 1.1 - 4.7MHz or 1.0 - 5.0MHz
28. Operating & Service Manual

C. Configurations:

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|---|------|
| 1. System Architecture | 1set |
| 2. Imaging Mode | 1set |
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| 5. True Access, Raw Data Analysis | 1set |
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D. Remarks:

1. The equipment should be installation by contractor.
2. Three years warranty after the installation and correct operation.
3. Manufactured products must be delivered within one year based on the inspection date.
4. Products that are not scheduled to be discontinued within one year after delivery must be delivered.
5. A report must be summited after conducting a preventive inspection in accordance with the hospital medical equipment inspection regulations within the warranty period.
6. 보증기간 제외품목: 소모품, Accessory 및 Vendor Item 은 별도임.